

* Turn in Crab-Walk lab!

1. Write favorite career from the activity and reason why it is your favorite.
2. Write definition of "force."
3. Write 10 scenarios where 'forces' are happening.
4. Write any questions about forces on the whiteboard in the front.

- Two broad categories of forces:
 - Contact
 - Friction
 - Push
 - Pull
 - Non-Contact
 - Gravitational
 - Electromagnetic

- Newton's 2nd Law:

Net Force = (mass)(acceleration)

$$\sum \vec{F} = m \vec{a}$$

Greek
letter
sigma

"Sum of"

$$\vec{F}_1 + \vec{F}_2 + \vec{F}_3 + \dots = m \vec{a}$$

Do net force for a direction

Units:

$$\text{Newtons} = (\text{kg})(\text{m/s}^2)$$

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